

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CTR ACCEPTANCE**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
QSS Group, Inc.	NAS5- 99124      TASK NO. <b>199</b> AMENDMENT	582-740-50-15-89	FY(00)

TASK TITLE: (NTE 80 characters; include Project name)

Swift BAT Instru and Fidue of Merit Flight-Software Sys/Development Services

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)

John Ong	DATE: 1/14/00	ORG CODE: 582	MAIL CODE: 582	PHONE: 286-8435
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BRANCH HEAD

Elaine Shell	DATE: 1/18/00	CODE: 582	PHONE: 286-2628
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CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)

Robert Lebar	DATE: 1/19/00	CODE: 560	PHONE: 301-286-6588
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FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?

CONTRACTING OFFICER'S QUALITY REP.

DESIGNATED FAM:

IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK

☐ NO      ☒ YES

see for L. Moore per email  
Larry Moore

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reqs and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:

Date: JAN 21 2000

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO ☐ YES ☒ N/A

Government Furnished Property/Facilities: ☒ NO ☐ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO ☒ YES      If yes: ☒ TOTAL ☐ PARTIAL  
If partial, indicate onsite work in SOW by asterisk (\*)

Surveillance Plan Attached: ☒ NO ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

The effective date of this task February 28, 2000.

**INCENTIVE FEE STRUCTURE (check one)**

	<input checked="" type="checkbox"/> No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	10%
Schedule	15%	25%	25%	50%	20%
Technical	75%	25%	50%	25%	70%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 185,460.

The target fee of this task order is \$ 652.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 186,112.

The maximum fee is \$ 953.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS".

*Lorrie L. Eakin*

2/28/00

Lorrie L. Eakin  
Contracting Officer

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5- <b>99124</b>	<b>199</b>	

Applicable paragraphs from contract Statement of Work: 2D-6; 2E-5

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The contractor shall provide BAT Instrument Processing Electronics (IPE) and Figure of Merit (FoM) flight software (FSW) support for: 1) FSW requirements definition, 2) FSW development and 3) FSW testing. Specifically, the contractor:

- 1) Must have experience in the design, implementation & testing of the MIDEX/MAP flight data system architecture
- 2) Must have familiarity/experience with the BAT IPE components being considered (e.g., Summit 1553, PPC750 uP, LockMart Rad6000 uP, PCI backplane, VxWorks RTOS)
- 3) Shall determine the overall Swift BAT instrument performance requirements (i.e., science processing, timing, data system requirements)
- 4) Shall work with BAT IPE developers to ensure the electronics supports the Swift performance requirements
- 5) Shall provide BAT flight software systems engineering services
- 6) Shall determine the overall Swift FoM performance requirements (i.e., evaluation of Gamma Ray Burst (GRB) merit
- 7) Shall participate in the BAT Systems Requirement Review (5/00)
- 8) Shall participate in the BAT Preliminary Design Review (8//00)

**PERFORMANCE SPECIFICATIONS:**

Requirements, design, coding, and test standards shall be in accordance with standard practices within Code 582.

**APPLICABLE DOCUMENTS:**

None

**TASK END DATE:** 9/30/00**MILESTONES/DELIVERABLES AND DATES:**

- Item #1: 4/30/00 - Requirements definition  
Item #2: 8/31/00 - Preliminary design

**PERFORMANCE STANDARDS:**

- Schedule:** Deliverables received by stated deliverable dates  
**Technical:** Acceptance of deliverables by the ATR

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

John Ong, building 3, room 231